	Application No.	Applicant(s)
Notice of Allowability	09/692,668	MUKAI ET AL.
	Examiner	Art Unit	
	Julio C. Gonzalez	2834	[handwritten]

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *12/08/03*.

2. ☒ The allowed claim(s) is/are *1,4,5,7,9,10,13,14,16,18 and 19*.

3. ☐ The drawings filed on _____ are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

    1. ☐ Certified copies of the priority documents have been received.

    2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

    (a) ☐ The translation of the foreign language provisional application has been received.

6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No. _____ .

    (b) ☐ including changes required by the proposed drawing correction filed _____ , which has been approved by the Examiner.

    (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1 ☐ Notice of References Cited (PTO-892)

2 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3 ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____

4 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5 ☐ Notice of Informal Patent Application (PTO-152)

6 ☐ Interview Summary (PTO-413), Paper No. _____ .

7 ☐ Examiner's Amendment/Comment

8 ☒ Examiner's Statement of Reasons for Allowance

9 ☐ Other .

REASONS FOR ALLOWANCE

1.   The following is an examiner's statement of reasons for allowance: the prior

art discloses a surface acoustic device having a resonator filter including a

piezoelectric substrate with a pair of substrate edges and an upper surface

including a main region and a bottom surface and the piezoelectric substrate

having at least one step formed and extending from one of the pair of substrate

edges to an inner edge of the step located spaced from one of the pair of substrate

edges. However, the prior art fails to disclose, in combination with the invention

that at least two interdigital transducers are provided on the main region of the

piezoelectric substrate such that the shear horizontal type surface acoustic waves

are excited by the interdigital transducer and having a wavelength of lambda are

reflected by the at least one inner edge and wherein the distance L between the

inner edge of the at least one step and the corresponding one of the substrate edges

is in the range of (lambda/10) to (8 lambda) and a depth of the at least one step is

in the rage of (2 lambda) to (6 lambda).

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly labeled

"Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Julio C. Gonzalez whose telephone number is

(703) 305-1563, which will be in effect until 02/02/04. The new phone number

that will be in effect AFTER 02/02/04 will be (571) 272-2024. The examiner can

normally be reached on M-F (8AM-5PM).

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Nestor Ramirez can be reached on (703) 308-1371. The

fax phone number for the organization where this application or proceeding is

assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703)

308-0956.

Jcg

BURTON S. MULLINS
PRIMARY EXAMINER